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STRUCTURE OF LEG FOR LEG TYPE MOVING ROBOT

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ABSTRACT

PROBLEM TO BE SOLVED: To prevent damage in a leg part by providing a slide body, movable in the direction, on a flat part of a foot, and providing an energizing means, which energizes the slide body to the predetermined position, in the condition that it is supported by the slide body.

SOLUTION: A leg part 1 is extended downward from a hip joint provided in a lower part of a body part traveling type robot, and a hip joint 3 and an ankle joint 4 are provided at an intermediate part and a lower leg part 1. Slide rails 8, which are extended in the fore and aft direction of a flat part 2 of a foot, are laid close to both sides of a top surface of the flat part 2 of the foot, and a slide body 9 of rectangular plate is to be moved on the slide rails 8 in the fore and aft direction of the flat part 2 of the foot. A base 5 of the leg is supported on the slide body 9 through an elastic body 10. With this structure, transmission of impact at the collision is relaxed, and generation of damage of the leg part 1 is prevented. At the same time, impact for applied to an obstruction is relaxed, and generation of damage of the obstruction can be avoided.

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